

C1
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more amino acids an/or substitutions by one or more other amino acids relative to the amino acid sequence described in any one of SEQ ID NOs: 2, 4, 6, 8 or 12, and still maintains activity of transferring a glycoside to the 5 position of a flavonoid, also belong to the present invention.--

Please replace the paragraph beginning at page 6, line 15, with the following:

C2

--The present invention also relates to a gene coding for a protein which gene hybridizes to a nucleotide sequence described in any one of SEQ ID NOs: 1, 3, 5, 7 or 11, or to a nucleotide sequence that codes for an amino acid sequence described therein or to their portions, for example a portion coding for at least six amino acids of a consensus region, under conditions of 2 to 5 x SSC, and for example, 5 x SSC, and 50°C, and that has activity of transferring a glycoside to the 5 position of a flavonoid. Furthermore, the optimum hybridization temperature varies according to the nucleotide sequence and its length, and it is preferable that the hybridization temperature be lower the shorter the nucleotide sequence. For example, a temperature of 50°C or lower is preferable in the case of a nucleotide sequence (18 bases) coding for six amino acids.--

Please replace the paragraph beginning at page 7, line 1, with the following:

C3

--Moreover, the present invention also relates to a gene coding for a protein having an amino acid sequence having homology of 30% or more, preferably 50% or more, for example 60% or 70% or more, and in some cases, 90% or more relative to an amino acid

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sequence of any of SEQ ID NOs: 2, 4, 6, 8 or 12, and having activity that transfers a glycoside to the 5 position of a flavonoid. Namely, as indicated in Example, DNA coding for the enzyme of the present invention demonstrates homology of 20 to 30% in comparison with other glycosyltransferase genes. Thus, the present invention includes genes coding for a protein that having homology of 30% or more with an amino acid sequence described in any one of SEQ ID Nos: 2, 4, 6, 8 or 12, and has glycosyltransferase activity.--

Please replace the paragraph beginning at page 7, line 15, with the following:

C4

--In addition, as is clear from a comparison of the results of Examples 1 through 4, the amino acid sequence of the enzyme of the present invention varies according to the species, with interspecies homology being 50% or more (see Examples 3 and 4), and for example 60 to 70% (see Example 2), while the homology of the amino acid sequences of the enzymes derived from the same species is 90% or more (see Example 1). Thus, genes coding for a protein that has an amino acid sequence having homology of 50% or more, for example 60-70% or more, and in some cases, 90% or more, relative to an amino acid sequence described in any one of SEQ ID NOs: 2, 4, 6, 8 or 12, and maintains the glycosyltransferase activity of the present invention are included in the present invention.--